



Michael F. Easley, Governor
William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P.E., Director
Division of Water Quality
Coleen H. Sullins, Deputy Director
Division of Water Quality

November 10, 2003

RECEIVED

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Mr. Mickie Elmore
Director of Development
Piedmont Triad Airport Authority
P.O. Box 35445
Greensboro, NC, 27425

RALEIGH REGULATORY FIELD OFFICE

Re: Proposed Runway 5L/23R, Proposed New Overnight Express Air Cargo Sorting
and Distribution Facility, and Associated Developments at Piedmont Triad
International Airport, Guilford County
DWQ #00-0846; USACE Action ID. No. 200021655

Dear Mr. Elmore:

Attached hereto is a copy of Certification No. 3428 issued to the Piedmont Triad Airport Authority, dated November 10, 2003. In addition, you should get any other federal, state or local permits before you go ahead with your project including (but not limited to) Solid Waste, Sediment and Erosion Control, Stormwater, Dam Safety, Non-discharge and Water Supply Watershed regulations. This Certification replaces the one issued to you September 2, 2003.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Alan W. Klimek, P.E.

AWK/cbk

Attachments

cc: John Thomas; U.S. Army Corps of Engineers, Raleigh Regulatory Field Office
DWQ, Winston-Salem Regional Office
File Copy
Central Files
Steve Zoufaly
Interested Citizens
Sylvia Norman; City of Greensboro Attorney's Office
Dasha Brown; Contract Administrator; Guilford County Attorney's Office
Kathy Matthews; US Environmental Protection Agency - Region IV



NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500 to the Piedmont Triad Airport Authority (PTAA) for the discharge of fill into the jurisdictional waters of Brush Creek and its unnamed tributaries, including approximately 23.44 acres of wetlands and 12,846 linear feet of streams associated with the Proposed Runway 5L/23R, Proposed New Overnight Express Air Cargo Sorting and Distribution Facility, and Associated Developments at Piedmont Triad International Airport, Guilford County, North Carolina, pursuant to an application filed on 5th day of February of 2002.

The application and supporting documentation provides adequate assurance that the proposed work will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application, the supporting documentation, and conditions hereinafter set forth.

This approval is only valid for the purpose and design submitted in the application materials and as described in the Public Notice. If the project is changed, prior to notification a new application for a new Certification is required. If the property is sold, the new owner must be given a copy of the Certification and approval letter and is thereby responsible for complying with all conditions of this Certification. Any new owner must notify the Division and request the Certification be issued in their name. Should wetland or stream fill be requested in the future, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to be valid, compliance with the conditions listed below is required.

Conditions of Certification:

Sediment and Erosion Control:

1. Sediment and erosion control measures shall adhere to the design standards for sensitive watersheds [15A NCAC 4B .0024]; see NCDOT publication, Best Management Practices for the Protection of Surface Waters (March 1997);
2. The turbidity standard shall not be exceeded as described in 15 A NCAC 2B .0200. Appropriate sediment and erosion control practices must be used to meet this standard;
3. All sediment and erosion control measures placed in wetlands and waters shall be removed and the original grade restored within two months after the Division of Land Resources has released the project;
4. Appropriate sediment and erosion control practices which equal or exceed those outlined in the most recent version of the "North Carolina Sediment and Erosion Control Planning and Design Manual" or the "North Carolina Surface Mining Manual" whichever is more appropriate (available from the Division of Land Resources (DLR) in the DENR Regional or Central Offices) shall be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to assure compliance with the appropriate turbidity water quality standard;

Culverts:

5. Culverts required for this project shall be installed in such a manner that original stream profiles are not altered. Existing stream dimensions (including the cross section dimension, pattern, and longitudinal profile) are to be maintained above and below the locations of each culvert. Culverts shall be designed and installed to allow for aquatic life movement as well as to prevent head cutting of the streams. If any of the existing pipes are or become perched, the appropriate stream

Stormwater Management:

8. The final, written stormwater management plan for each of the four phases of this project (including a signed and notarized Operation and Maintenance Agreement) shall be approved in writing by the Division of Water Quality before the impacts associated with the corresponding phase of the project occur. The stormwater management plan must include plans and specifications for stormwater management facilities that are appropriate for surface waters classified as WS-III, appropriate for use in proximity to runways and designed to remove 85% Total Suspended Solids on an annual average basis according to the NC Department of Environment and Natural Resources Stormwater Best Management Practices Manual (April, 1999). These facilities must be designed to treat the runoff from the entire project, unless otherwise explicitly approved by the Division of Water Quality. Also, before any of the new facilities are used at the Piedmont Triad International Airport, the facilities (as approved by the Division) shall be constructed and operational, and the stormwater management plan (as approved by the Division) shall be implemented. The structural stormwater practices as approved by the Division as well as drainage patterns must be maintained in perpetuity. No changes to the structural stormwater practices shall be made without written authorization from the Division. The four phases include:
 - 8a. Fedex Site,
 - 8b. Bryan Boulevard Relocation,
 - 8c. Runway 5L/23R, and
 - 8d. Crossfield taxiway.
- 8e. Within one year of your receipt of this Certification, the retro-fit stormwater control plan as necessary to meet Water Quality Standards for the entire Piedmont Triad International Airport and areas associated with the Horsepen Creek mitigation area shall be submitted to the Division for written approval. Before any facilities associated with any of the four phases of this project are occupied, written approval for the retro-fit stormwater plan must be obtained from the Division;
9. The combined performance of the stormwater control measures must be modeled for 1, 2, 5, and 10 year pre-and post-construction discharge events to ensure that downstream peak flows and the resultant streambank stability (downstream to Lake Higgins for Brush Creek and downstream to Lake Brandt for Horsepen Creek) are not amplified by the simultaneous, combined releases from the stormwater control measures from the entire PTAA property. The release rates for stormwater management facilities must be designed based on the modeling to prevent amplification of peak flows. The above designs must be approved in writing by this The Division before any of the facilities which are tributary to each of the stormwater control devices is occupied or opened for use. In addition, the stormwater management facilities, as approved by the Division, must be constructed and operational, prior to the occupation or use of the facilities authorized herein;
10. An additional stormwater management plan (including a spill containment and treatment failure plan) must be provided to ensure that Surface Water Quality Standards are not violated as the result of runoff contamination by deicing and/or similar agents that are applied to aircraft or paved surfaces. The plan must include means to collect the runoff that occurs during or following the application of the above agents and must include a means to treat the pollutants in runoff to levels that comply with Surface Water Quality Standards. The plan must include the procedures, design plans and specifications necessary to achieve compliance with Water Quality Standards. The plan must be approved by the Division of Water Quality within one year of the date of issuance of the 404 Permit. Additionally, before the impacts associated with the first phase of the project to be constructed will occur, procedures and infrastructure must be in place and operational. The plan must be implemented as approved by the Division of Water Quality;

19. In the event that PTAA undertakes to transfer property ownership of any land containing retained jurisdictional wetlands, waters and protective buffers, deed notifications or similar mechanisms shall be placed on all said jurisdictional areas on the property in order to assure compliance for future wetland, water and buffer impact. These mechanisms shall be put in place prior to said property transfer. A sample deed notification can be downloaded from the 401/Wetlands Unit web site at h2o.enr.state.nc.us/ncwetlands;
20. The anticipated cumulative impacts from this project shall be addressed via written agreements between the NC Division of Water Quality, Greensboro and Guilford County in accordance with the appropriate signed agreements;
21. Violations of any condition herein set forth may result in revocation of this Certification and may result in criminal and/or civil penalties;
22. Upon completion of the project, the Applicant shall complete and return the enclosed "Certificate of Completion" form to notify the Division when all work included in the §401 Certification has been completed. The responsible party shall complete the attached form and return it to the 401/Wetlands Unit of the NC Division of Water Quality upon completion of the project.
Photographs upstream and downstream of each culvert site must be included to document correct installation along with the Certificate of Completion form;
23. This Certification shall expire upon expiration of the 404 Permit.

If this Certification is unacceptable to you, you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, N.C. 27699-6714. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the **10th** day of November 2003
DIVISION OF WATER QUALITY



Alan W. Klimek, P.E.

WQC # 3428

AWK/cbk